

# ABSTRACT OF THE DISCLOSURE

The present invention is directed to a multi-band cable antenna. A multi-band cable antenna according to the present invention comprises: a dielectric substrate, as a nonconductive dielectric having a predetermined dielectric constant, with a plurality of conductive microstrips formed on the top and bottom sides of the substrate, for inducing a resonance in the multi-band; signal transfer means including the first and second conductors for signal transfer, which are electrically separated from each other by a layer of insulator, the first conductor for signal transfer configured to be short-circuited with one of microstrips formed on the top side of the dielectric substrate; a conductive solder ball for physically coupling one of the conductors for signal transfer with the microstrips formed on the top side of the dielectric substrate; and an upper and lower short-circuited conductor for short-circuited the second conductor for signal transfer on the signal transfer means with one of the microstrips formed on the bottom side of the dielectric substrate, wherein the upper and lower short-circuited conductor and the microstrips formed on the bottom side circuit-shortcd with the second conductor of signal transfer are electrically grounded.